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APPLICATION NO.	I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/781,234		02/13/2001	Tadashi Saito	089367/0113	7944
22428	7590	06/29/2004		EXAMINER	
FOLEY A		DNER	GHULAMALI, QUTBUDDIN		
	SUITE 500 3000 K STREET NW				PAPER NUMBER
WASHING	WASHINGTON, DC 20007			2631	7
				DATE MAILED: 06/20/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summary	09/781,234	SAITO ET AL.					
: Office Action Summary	Examiner	Art Unit					
The MAU INC DATE of this communication and	Qutub Ghulamali	2631					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
2a)☐ This action is FINAL . 2b)☒ This 3)☐ Since this application is in condition for allowar	Responsive to communication(s) filed on <u>13 February 2001</u> . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,2,4,8 and 10 is/are rejected. 7) Claim(s) 3,5,6,9,11 and 12 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 							
Application Papers							
9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 18 August 2003 is/are: a) ☐ accepted or b) ☑ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 3. 4.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:						

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DETAILED ACTION

Drawings

1. Figure 7 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If, the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 4 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "one of areas" and "therebetween" in claim 4, lines 2, 3, and in claim 10, line 2, is ambiguous.

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Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

5. Claims 1, 2, 7, 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Oda (US Patent No. 6,628,698).

Consider claims 1, 7, Oda discloses a CDMA communications system comprising; a reception circuit 31 coupled to a plurality of dispreading circuits 38 (fingers) for dispreading received signals having multi-path components, a rake combining reception section 39 as claimed in (rake combining circuit) for combining of the signals despread by dispreading circuit 38, a path searcher section 33 form a first window (search finger), for extracting data, of the data of the delay profile generating means for generating a delay profile by obtaining reception power levels of all reception levels (first, second etc.) from the delay profile acquiring section 32 corresponding to the path received signals having the highest intensity to an intensity of predetermined

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original number, the delay profile section 32 is comprised of a plurality of correlators (fig. 8) and a timing control circuit 41 for controlling the despread timings of the correlators based on the computed (calculated) (fig. 12) data extracted from the delay profile by the search section 33 from ROM 34 (col. 3, lines 24-37; col. 5, lines 1-23; col. 9, lines 1-15, 26-55; col. 10, lines 33-42, 57-67).

Regarding claims 2, 8, Oda discloses detecting means for detecting a multi-path wherein the search section 33 outputs N data to the ROM 34 in the descending order of levels in the delay profile (fig. 11) from the delay profile acquiring section 32, the data are sequentially output to the ROM 34 at a predetermined times (t3, t6, t1, t5) in the descending order of levels (col. 5, lines 1-23; col. 10, lines 34-42).

Allowable Subject Matter

- 6. Claims 3, 5, 6, 9, 11, 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Claims 4, 10 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Higuchi et al (US Patent 6,167,037), Murai et al (US Patent

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6,154,487) are cited as arts of interest showing spread spectrum communication techniques for transmission and reception of signals.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qutub Ghulamali whose telephone number is (703) 305-7868. The examiner can normally be reached on Monday-Friday from 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammed Ghayour can be reached on 703 306-3034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QG. June 24, 2004.

> KHAITRAN PRIMARY EXAMINER

Wanay angton